SPECIAL NOTICES.

will be taken until 12:30 p. m., for the evening and until 8 p. m. for the morning and Sunday editions.

Advertisers, by requesting a numbered check, can have answers addressed to a numbered letter in care of The Bee. Answers so addressed will be delivered on presentation of the check only.

Rates, 11-2e a word first insertion; le a word thereafter. Nothing taken for less than 25c for the first insertion. These advertisements must be run ecescentively.

WANTED_SITUATION.

POSITION BY STENOGRAPHER OF FIVE Years experience; own typewriter. Neely, 2020 Harney St. A-275-25* BY CAPABLE YOUNG MAN, TO TAKE charge of or to work in orchard on trui farm. Address Box 24, Lansing, Kan. A-MERI 25*

WANTED_MALE HELP.

WANTED, AN IDEA: WHO CAN THINK OF some simple thing to patent? Protect your ideas, they may bring you wealth; write John Wedderburn & Co., Dept. V., Patent Attorneys, Washington, D. C., for their \$1.800 prize offer and a list of 200 inventions wanted. B-635 TAILORS WANTED. CONTINENTAL CLOTH-\$30 A WEEK SALARY AND EXPENSES PAID maintennent experience not necessary; permanent position. The W. L. Kline Co., St. Louis, Mo. B-M752 F2*

THOUSANDS OF GOOD PLACES UNDER THE McKinley administration in every part of the country. Do you want one? The midwinter edition of the National Recorder will tell how to get a polition, Send 5c in stamps to the National Recorder, Washington, D. C.

B-M2© 28*

WANTED, MEN TO LEARN RARBER trade, Only 8 weeks required. Plenty of jobs for graduates. New opportunity. Write for catalogue, Moler's Harber college, 11th and Franklin avenue, St. Leuie. B-M263 26* WANTED TWO MEN. C. F. ADAMS CO., 524 S. 16th st.

WANTED-FEMALE HELP.

FOR GOOD GIRLS CALL AT SCANDINAVIAN Y, W. C. Association Home, 2018 Dayenport st, C-M257 F5* NICE ROOMS FOR HOUSEKEEPING, ALSO WANTED, GIRL FOR GENERAL HOUSE GIRL FOR GENERAL HOUSEWORK; SMALL family, Inquire 2243 N. 19th. C-MEE 26 GIRL WANTED, FOR GENERAL HOUSE work, 2022 Spencer, C-M319 26

FOR RENT-HOUSES,

HOUSES IN ALL PARTS OF THE CITY. THE HOUSES; BENEWA & CO., 108 N. 15TH ST. MODERN HOUSES; C. A. STARR 925 N Y LIFT CHOICE HOUSES AND COTTAGES ALL OVER the city, 45 to \$50. Fidelity, 1702 Farnam st. HOUSES, WALLACE, BROWN BLOCK, 16TH and Douglas D-640 HOUSES FROM \$5 UP; LARGE LIST. Mc Cague Investment Co., 1506 Dodge street. D-641 HOUSES FLATS, GARVIN BROS, 1612 FARNAM FOR RENT, 812 N. 39TH ST., 7-ROOM MODERN NT, 812 N. 391H Cl., 114 420 per month. Inquire on premises, 420 per month.

ELEGANT 19-ROOM BRICK HOUSE, 503 S.
18th. F. D. Wead, R. E., Loans and Investments, 16th and Douglas.

D-M194 21 MODERN FLAT, LANGE BLOCK, 606 S. 13TH D-M223 F18

FOR RENT, A SEVEN-ROOM MODERN COT-tage; with bath; also nice barn; \$30 per month with barn, or \$25 without barn, 1727 Georgia avenue, D-246 25

FOR RENT_FURNISHED ROOMS, FURNISHED 5 ROOMS FOR HOUSEKEEPING. 2 for light housekeeping. 614 S. 17th Ave. 15-M906-

\$ FURNISED ROOMS FOR HOUSEKEEPING for man and wife. Rent taken in board, 319 N 17th. E-104 DESIRABLE ROOMS FOR GENTLEMEN: moderate terms, Inquire at 1919 Dedge st. 16-M329 25*

FURNISHED ROOMS AND BOARD. THE MERRIAM, 25TH AND DODGE

ALBANY, 2101 DOUGLAS; ROOMS, WITH board; select location; table boarders accom-modated. F-M271 29* LARGE PARLOR, ALSO SMALLER ROOMS board; rates reasonable. The Roce, 2023 Harney. LARGE, MODERN FRONT ROOMS, GOOD board, 43.50 week, 514 N. 19th at. F-M220 50* FIRST-CLASS DAY BOARD; ALSO FUR-nished rooms after Pebruary 1, 1522 Howard, F-M318 26* ONE OR TWO NICELY FURNISHED ROOMS with good board, 2205 Douglas St. F-272-23*

FOR RENT_STORES AND OFFICES.

FOR RENT, THE 4-STORY BRICK BUILDING tures, water on all floors; gas, etc. Apply at the office of The Hee.

STORAGE.

OM. VAN & STORAGE, 1615 FARNAM TEL. 1559 PACIFIC STORAGE AND WAREHOUSE CO., 908-910 Junes. General storage and forwarding, M-646

WANTED-TO BUY.

FOR CASH, OMAHA SAVINGS BANK AC-counts; give amount and discount. Address, E 4, Bee, N-251

WANTED, SEWING MACHINE, MUST BE IN good order and price low. Address £ 7, Bes. N-276-25* FOR SALE MISCELLANEOUS.

CHEAPEST HARDWOOD WOVEN CORN CRIB being made. C. R. Lee, 501 Douglas. Q-548 BLEIGHS, SINGLE AND DOUBLE, cost. Drummond Carriage Co. Q FOR SALE, FINE NEW HIGH-GRADE BICY-cle; \$39. Omaha Bicycle Co., 223 N. 16th st. Q-514

FOR SALE, A NEW KIMBALL PIANO, NEVER been used, a bargain for cash. Address is 3. Bee. Q-049 25 FOR SALE. A FINE BLACK MELTON averseat 42 bust measure; cost 140.00; will sell for \$20.00; been worn but few times; also military cost. Address E 16, Bee. Q-M315 25*

FOR SALE, ENGINE, BOILER AND DYNAMO nearly new; or will trade, altogether or separately, for house property in Omaha. For particulars apply to F. Brown, Julian, Neb. Q-MSSS 27*

MASSAGE BATHS, ETC.

MME. SMITH, 1121 DOUGLAS, ROOM 5; MAS sage and steam baths. T-M314 20* MISS AMES, VAPOR BATHS, MASSAGE, & S. 13th st., room 3. T-Mail F5. RS. DR. LEON, ELECTRIC MASSAGE bath pariors; restful and curative 417 8. Diff T-Mass 50*

\$25.00 RUPTURE CURED-TILL MARCH 15 for \$25.00; ne pain; no detention from business; we refer to hundreds of patients cured. The O. E. Miller Co., 717 New York Life Bidg., Omaha. VIAVI FOR UTERINE TROUBLES, 346-8 BEE bldg. Physician, consulation or health book free. U-726 WANTED, MEN AND WOMEN TO ADVER-tise our goods in every county in Nebraska; good pay; send stamp for particulars. E. S. Co., 1019 Harney st., Omana, Neb.

PERSONAL

(Continued.) BATHS, MASSAGE, MME. POST, 3194 S. 19TH. ARR & PEGAU, SUCCESSORS TO WM. Lyle Dickey Co., have removed to 120 N, 15th. U-M959 F11 MARRY, WRITE TO HANDSOME LADIES OR honorable men; many rich; send ice and joi corresponding club. Box 1513, Denver, Colo. U-M360-D*

MONEY TO LOAN_REAL ESTATE. NTHONY LOAN & TRUST CO., 215 N. Y. L.; qu'ck money at low rates for enorce la lin lows, northern Missouri, eastern Nebrasks. W-653 CITY LOANS, C. A. STARR, WE N Y, LIPK W-654

MONEY TO LOAN ON IMPROVED OMAHA real estate. Brennan, Love Co., Paxton block. W-655 LOANS ON IMPROVED & UNIMPROVED CITY property, W. Farnam Smith & Co., 1270 Farnam, W-656

MONEY TO LOAN AT LOW RATES, TH O. F. Davis Co., 1585 Farnam St. W-657 MONEY TO LOAN ON IMPROVED OMAHA property. U. S. Mortgage & Trist Company, New York. Posey & Thomas, Agents, No. 207 Pirst National Bank Bidg. W-659 6 PER CENT MONEY TO LOAN ON OMAHA property, Neb. farms, W. B. Meikle 1st Nati. III W-600

ON OMAHA PROPERTY, LOWEST RATES; building loans wanted, Fidelity Trust Co., Bee Eldg.

MONEY TO LOAN_CHATTLES. MONEY TO LOAN ON FURNITURE, PIANOS. horses, wagons etc., at lowest rates in city; no removal of goods; strictly confidential; you can pay the lean off at any time or in any amount. OMAHA MORTGAGE LOAN CO... 206 So. 16th St. X-661

MONEY TO LOAN, 30, 60, 80 DAYS; FURNI-ture, planos, etc. Duff Green room 8 Barker blk, X-662

FOR SALE, ABOUT 2,000 LBS. MINION TYPE, 700 lbs. agate. 150 pair two-third cases, 40 double iron stands for two-third cases. This material was used on The Omaha Bee, and is in fairly good condition. Will be sold cheap in bulk or in quantities to suit purchaser. Apply in person or by mail to The Bee Publishing Company, Omaha, Neb. Y-713 TO GET IN OR OUT OF BUSINESS GO TO J. J. Gibson, 511 let Nat'l Bk. Building. Y-366 FIVE-NINTHS INTEREST IN 40-BARREL flouring mill; water power and a 75-barrel steam roller mill on railroad; for sale of will exchange for good clear land, Address D 61, Bee. Y-M216 F13 SNAP-GOOD PAYING HAND LAUNDRY IN

thriving city of 1,550 inhabitants, for sale at a bargain; my reason for selling, have interest in steam laundry in southern Nebraska, Aldress the Thurston Republic, Pender, Neb. Y-M256 25

FIRST-CLASS CHANCE TO PURCHASE WELL established rairoad lunch counter and din-ing room; sultable for lady or gentleman; practically new; best reasons for selling; price, \$1,500 for equipment, and \$40 per monta for rent of building. Address ewner for full particulars. F. W. Stephenson, Marion, Ja. Y-M261 25 VANTED, PARTNER WITH \$300,00; THIS IS

FOR EXCHANGE

A 5-ROOM COTTAGE, NEAR 28TH AND Charles atreets, with cash, for an house in good location. Bemis, Paxton EXCHANGE, RESIDENCE IN GOOD OR EACH and hardware stock for clear land a city and hardware stock for clear land a castern Nebraska or lowa. Address E 12, Rec Z-M327 27*

FOR SALE_REAL ESTATE. ABSTRACTS. THE BYRON REED COMPANY

HOUSES, LOTS, FARMS, LANDS, LOANS-Geo. P. Bemis Real Estate Co., Paxton blk. HOUSES FOR RENT. BEMIS, PAXTON BLK OMAHA SAVINGS BANK ACCOUNTS TAKEN at par in exchange for houses and lots. (A) or part.) The Byron Reed Co. RE-815 ACCOUNTS IN THE OMAHA SAVINGS BANK taken at par for real estate at present lov values, George G. Wallace, Brown block, 16th and Douglas. RE-948 100 BUYS EQUITY IN 5-ROOM MODERN house on So. Omaha motor, Make me an offer for lots 12 and 14, block 2, Catalpa offer for lots 14 and Douglas block, Place, J. H. Parrotte, Douglas block, RE--M264

FOR SALE CHEAP, FULL LOT, WITH SIX-room cottage; near County hospital. Address E 14, Bee. RE-M324 26* FOR SALE-

Full lot on 31st street, between Poppleton and Woolworth avenues, in Hanseom Place; price, Good residence lot in west part of city; \$600.00; 4100.00 cash, balance long time. Pive room house and good lot, 3421 Burt street; \$1,150.00. light-room house, 2620 Caldwell street; modern conveniences; will consider any offer, the acre, near factories in East Omaha, with 5-room house, large barn, etc.; \$1,009,00. Three acres, southwest of Hanscom park; \$500,00 per acres. even acres on 36th street, near South Omaha. with 7-room house, barn, etc.; \$2,500.00.

Several desirable farms near Omaha; very cheap,
POTTER & GEORGE COMPANY,
S. W. Cor. 16th and Farmen Sts.
RE-M321 27

DANCING SCHOOL.

MORAND'S, 1516 HARNEY, FOR PRIVATE and class lessons daily; always open. 806.F4

NEW AND SECOND-HAND SAFES; SAFE RE pairing. J. J. Deright, 1116 Farnam.
—M710 F3

FINANCIAL. LIFE INS. POLICIES BOUGHT, W. F. HOLDEN

WANTED_TO BORROW.

LET US SELL YOU A MORTGAGE OR MAKE a loan for you on either farm or city property. F. D. Wesd, Gilt Edge Securities 16th and Douglas. TO BORROW, \$150.00, SIX MONTHS, GOOd security; good rate of interest. Address C 8.00 705

BUILDING AND LOAN ASSOCIATIONS

SHARES IN MUTUAL L. & B. ASS'N PAYS 6, 7, 8 per cent when 1, 2, 3 years old; always re-decemble. 1704 Farnam St. Nattinger. Sec. 663

HOW TO GET A HOME OR SECURE GOOD interest on savings. Aprly to Omaha L. & B. Ass'n, 1704 Farnam. G. M. Nattinger. Sec. 69

MUSIC, ART AND LANGUAGE.

GEORGE F. GELLENBECK, BANJO, MANDO. lin and guitar teacher. Room 412 Bee Bldg. Tel. 228. MASQUERADE COSTUMES.

THEO LIEBEN, AK-SAR-BEN COSTUMER, 62 S. 11th; largest stock masquerade and then rital goods in the west. —MS59 FS HYSICAL CULTURE.

ELOCI .ON. MRS, W. N. DORWARD, 62 N. Bth. FURNITURE PACKED.

DET M. S. WALKIN'S PRICES ON FURNIture packing, repairing, upholstering; mai-tresses made and renovated; fill Cuming. Tel. 1371.

FOR RENT-256-ACRE FARM, NEAR FORT Crock, Sarpy county. Setby, 1603 Farnam.

SEWING MACHINES AND SUPPLIES. NEW HOME, HOUSEHOLD AND WHITE sewing machine office, 1814 Cap. Ave. Tel. 1815

LOST, WHITE FOX TERRIOR, BLACK ON ears and face, dark spot at root of tail; re-ward. Return to 2008 Spencer. Lost #13-25

MEDICAL.

THE PEOPLE'S DISPENSARY NEVER PAILS to restore the period or correct irregularities lady attendants. 1522 Douglas street.
—M219 36*

SHORTHAND AND TYPEWRITING.

A. C. VAN SANT'S SCHOOL, DIR N. Y. LIFE. AT OMAHA BUS COLLEGE, 16TH & DOUGLAS

PAWNBROKERS. H. MAROWITZ LOANS MONEY. 418 N. 18 ST.

TYPEWRITERS.

GET THE BEST TYPEWRITERS; SUPPLIES repairs. United Typewriter & Supplies Co. 612 Fatnam St. WILL SELL SMITH PREMIER TYPEWRIT-

FOR RENT_ACRES. 19 ACRES NEAR SO. OMAHA. J. H. PAR rotte, R-M259

DRESSMAKING. DRESSMAKING BY THE DAY; WORK GUAR anteed. E 17, Bee. —M341 29*

SUES & CO., PATENT SOLICITORS, Bee Building. Omaha, Neb Advice and Patent Book FREE

Notice of Sale by Receiver of American Loan and Trust Company.

Notice is hereby given that I, the undersigned, as receiver of the business, property and assets of the American Loan and Trust Company, pursuant to an order of the circu', court of the United States, within and for the District of Nebraska made on the 15th day of January, 1887, in the suit therein pending wherein John A. Ordway and others are complainants and the American Loan and Trust Company is defendant, will, at 10 o'clock in the forenoon on the first day of February, 1897, in my office at No. 1617 Farnam street, in the City of Omaha, in the County of Douglas and State of Nebraska, sell at public auction all the property, assets and interests of the American Loan and Trust Company remaining in my hands or in the hands of any other persons accountable to me therefor, to the highest bidder or bidders for cash. The said property, assets and interests are more particularly described in my special reports filed in said suit in said court on the 3rd day of October, 1896, and the 15th day of January, 1897, upon which in connection with the record in said suit the said order of the court is based. In addition to my reports on file and the record in said suit I will personally give such information from my books or otherwise as may be requested by any interested person touching the property herein advertised for sale.

Dated this 16th day of January, 1897.

Montgomery & Hall, Receiver, Attorneys. Notice of Sale by Receiver of Ameri-

Montgomery & Hall, Attorneys,

RAILWAY TIME CARD

7:05pm. Lincoln Local (ex Sunday)... 7:45pm 2:55pm. Lincoln Local (ex Sunday)... 11:30am Leaves CHICAGO, BURLINGTON & CANTILLE Omaha Union Depot, 16th & Masca Star 5:00pm Chicago Vestllo ile 8:00am 9:48am Chicago Express Chicago Express 8:00am 7:50pm Chicago & St Louis Express 8:00am 11:40am Pacific Junction Local 6:10pm Fast Mail 2:50pm Leaves CHICAGO, MIL. & ST. PAUL Arrives. Leaves | CHICAGO & NORTHWEST'N. Arrives
 Leaves
 CHICAGO & NORTHWEST'N, Arrives

 Omaha Union Depot, 19th & Mason Sts.
 Omaha

 1045am
 Eastern Express
 3:49pm

 4:40p.m.
 Vestibuled Limited
 5:40pm

 5:55pm
 St. Paul Express
 5:50am

 5:40am
 St. Paul Limited
 9:05pm

 7:30am
 Carroll & Sloux City Local
 1:10pm

 6:30pm
 Omaha Chicago Special
 8:00am

 Missouri Valley Local
 9:30am
 Leaves CHICAGO, R. I. & PACIFIC Arrives Omaha Union Depot, 18th & Mason Sta. | Umaha EAST.

19:40am Atlantic Express (ex. Sunday), 5:25pp. 7:00pm Night Express 8:15am 4:50pm Chicago Vestibuled Limited 1:25pm 4:50pm St. Paul Vestibuled Limited 1:25pm WEST. ..Colorado Limited...... 4:00pm C. ST. P. M. & O. Arrives Webster Street Station. Omaha Leaves | Omaha Sioux City Express tex Sun.). 11:55 Sioux City Accommodation... 8:00; St. Paul Limited..... 9:19a Leaves | K. C., ST. J. & C. B. |Arrieves Omaha Union Depot, 16th & Mason Sts.| On. al.: 8:05am... Kansas City Day Express.... 6:16pm 10:00pm.K. C. Night Ex. vin U. P. Trans. 6:30am Leaves | SIOUX CITY & PACIFIC. |Arrives Omana Depot, 15th and Webster Sts. | Omana 6:15pm.......St. Paul Limited....... 9:10an Leaves | SIOUN CITY & PACIFIC. | Arrives Omaha Union Depot, 19th & Mason Sts. | Omah 1:40am St. Paul Passenger.... 1:30am Sloux City Passenger... 1:55pm St. Paul Limited Leaves | WABASH RAILWAY, Om the Union Depot, 16th & Mason Sts.

MICROBES IN BOOKS.

innitary Measures Adopted in European Libraries.

It is a fact that has been well demoncontagious diseases may be spread by means of books which have been in the constituencies are inclined out heretofore, the contagious diseases may be spread by legislators representing either urban or rural hands of the sight or worker the constituencies are inclined to make the constituencies are inclined to the constituencies a means of books which have been in the hands of the sick or convalencing. All the eruptive maiadies, scariatina and varioloid among others, as well as diphtheria, may be transmitted in this manner.

Throughout Europe, and especially in England, strenuous efforts are being made to stop this source of contagion. At Edinburgh already a regular zervice has been organized by which the directors of liberaries are notified each day of the names and addresses of all those in the city who are ill of contagious discuses. The librarians thereupon make careful search to find if any of their books have been lent in any of the houses specified. When such is found to be the case, the health department seizes the books, which are then either disinfected or destroyed, according to the nature of the illness. When a book, for example, has been in the hands of one ill of varioloid, it is immediately destroyed. At Bradford, England, similar measures are also in vogue, and an effort is now being made to put them into effect at London. This, however, owing to the vast and dense population of the city, will be difficult of accomplishment.

In Paris this plan will also be followed in the near future. At present the authorities of that city are endeavoring to find a stritsfactory disinfectant. Experiments are being made with the vapor of formic aldehyde, which is produced by the incomplete combustion of methylic alcohol in contact with the air and incandescent platinum. This vapor, in addition to its antiseptic properties, is easily employed, and is absolutely harmless to cloth and paper, and its discovery will doubtless hasten the adoption of similar hygienic measures in the public libraries of this country. hands of the sick or convalescing. All the in the public libraries of this country.

A Psychological Phenomenon, Washington Star: "It is pleasant," said

the girl who reads mystical philosophy, "to have some friend whose ideas are theroughly in sympathy with yours."
"I-er-I suppose it is." replied the young man who reads the sporting page.
"Some one who thinks as you think: whose words are often simply echoes of your own thoughts." "No." he interrupted in a positive tone

"I draw the line there. I found a friend to-day who answers that description, and it wasn't at all pleasant, I can assure you."
"How wenderful!"
"Nothing strange about it. We met on the avenue and rushed toward each other with a common impulse. We had not finished shaking hands when we looked into each

other's eyes and said in perfect unison:
"How are you, old man! Could you lend
me \$10?"

Long Distance Telephoning and Prospective

Improvements.

THOMAS EDISON ON ELECTRICAL PROGRESS

The Struggle Between Trolley and Steam Reads in Connecticut-An Engineer's High Tension Shock.

From time to time one genius or another announces to the world that he has solved the problem of transmitting human speech across any required distance by means of some device of hid own, but when these inventions are put to test it is always found that some essential point has been over-

poked Where the next really great improvement in telephoning is to be looked for is here briefly outlined by one of the foremost American engineers engaged in this line of

> "In theory it is perfectly possible to lay a telephone cable across the Atlantic at present, provided a copper wire of sufficient size protected by a covering of sufficient thickness is used. But this would mean a cable larger perhaps than an ordinary telegraph or electric light pole, and aside from the practical impossibility of laying such a cable its great cost would bar it from

commercial success.

"The problem of land communication is somewhat simpler. In fact the problem is so thoroughly worked out under existing conditions that it is possible for the engineer to go ahead and extend his lines to any distance with the certainty of success. At present the greatest distance over which regular commercial intercourse is carried on is between Boston and Memphis. By the route of the American Telephone company's lines that is close to 1,600 miles. But that is by no means the limit of telephonic comnunication and the officers of the American mulication and the officers of the American Telephone company thought that business re-quirements would justify it, they would un-doubtedly extend their lines at once to Omaha, Karsas City or Denver or even urther west.

"In a nutshell, if you want to extend your ine from Boston to Chicago, another thou-sand miles west, you can do it by simply in-creasing the size of your wire. For exam-ple, in talking from Boston to New York a vire about the size of ordinary telegrapl wire is used, in talking from New York to Chicago the wire used is some three times is large, and to talk from New York to Den ver it would have to be considerably in-

reased again.
"Here a difficulty that may be described as commercial rather than scientific arises. This is simply the fact that as you increase the size of copper wire its price increases in almost geometrical ratio. A telephone line could be built across the continent today, but it would be a mighty poor invest-

"The problem before telephone engineers at present is, therefore, how to extend com-munication without increasing the size of the wire and thereby multiplying the cost. The solution to the difficulty which has suggested itself to several persons is a telephone repeater similar in its operations to the telegraph repeater or relay. A succesaful telephone repeater would take a long distance message, say every 500 miles, and start it afresh on its journey, so that the smaller size of wire could be used all the way across the continent.

TROLLEY OR STEAM. The construction of a trolley line between the cities of New London and Norwich has been prevented by a decision recently made by the Connecticut supreme court. A part of this line has been finished, says the New York Times. It would have paralleled the New London Northern steam road, and a projected extension of the steam road of the New York, New Haven & Hautford company A few weeks are the features. pany. A few weeks ago the Connecticut courts by a similar decizion prevented the completion of an extension of the Hartford and New Britain trolley syswhich would practically have paralleled the New Haven company's steam road between those two cities. This decision affecting the projected ley line from New London to Norwich will tend to increase the number of voter which will be cast at the coming session of the Connecticut legislature against the steam railroad companies, and in behalf of many trolley organizations which desire to con struct interurban lines. The two trolley companies affected by the decisions to which we have referred will ask the legislature for relief, and an impression prevails in the state that the legislation for which

hese and other trolley organizations apply vill be obtained. If the advocates of trolley interests shall be successful many new electric roads will be constructed, and some of them will b parallels of existing steam roads. understand, however, that it is the control ling purpose of any of the trolley companies o compete directly with steam roads fo interurban traffic. The projected interurbar trolley lines are commonly natural exten sions of existing municipal and suburbar electric roads, and while they would to some extent compete with steam roads there is a popular demand for them because they would serve the convenience of resi dents in the intermediate rural districts. The steam road extends from the station in one city to the station in the other. The rural resident may be two or three miles from the nearest station and when he step from the steam car in the city he may be mile or two from his destination. Or the other hand, the interurban trolley road is not far from his home, and the trolley cars, by means of transfers, carry him to any part of the city which he may desire to visit. For this reason and for others which we have pointed out heretofore, the

completion of them,
But the steam companies are disposed to improve all opportunities to meet this competition. Some time ago the New York & New Haven company chisined control of the Stamford & Meriden trolley lines. Last week it decided to lay a third rail, for electric traction, between the cities of Hartford and New Britain (on the New England track), and to establish a large electric power station at Berlin, on its main track, about six miles from Hartford. The company has, in addition, its direct line from New Britain to Hartford, branch lines from Berlin to New Britain, on one side, and to Middletown on the other. These two branches, together with the projected third rail line on the New England road, will be operated from the power station at Berlin. The company's purpose is, in part, to discourage the threat and trolley competition between New Britain and Hartford, for while the completion of this interurban trolley road has been pre-vented temporarily by, the courts, it seems probable that the legislature will grant the relief which the trolley company desires.

THE THIRD RAIL SYSTEM. The New Haven company's action with respect to the laying of a third rail points o an extended use of electric power on the company's roads in the near future. The

ompany's president says: "Electricity as a motive power is foreshadowed in the last aungal statement of the company. On the south shore branch of the essfully and economically conveyed in cessfully and economically conveyed in a third rail, insulated upon wooden blocks in the center of each track. The results have surprised experts, and it is, now probable that a third rail will be laid at various points upon the company's property during the year to come. Short branches to the centers of business and population may then be constructed from the company's lines."

Is not competition with trolley systems in their own field here foreshadowed? What s meant by "short branches to centers of business and population?" The suburban trolley roads affect the pas-

senger traffic of the old steam roads for several reasons, but one very prominent advantage on the side of the trolley lines is their distributing facilities, their ability to carry the passenger from the country to al-

THE FIELD OF ELECTRICITY them. In some other places they can prevent threatened trolley competition by con-structing trolley branches from their stations to neighboring rural centers.

We rect thy commented upon the very interesting and suggestive action taken by the Cincinnati, Hamilton & Dayton company which has bought the trolley lines of Mid-dlotown, O., and will connect them with its steam tracks, intending to use electric power on its main line to the neighboring City of on its main line to the neighboring City and Hamilton, and, eventually, for suburban service between Hamilton and Cheinnatt. Here we see an attempt to add the distributing facilities of the municipal and subur-ban trolleys to the transit facilities of a trunk line. That is to say, this old steam company is now able to carry passengers from Hamilton to Middletown and to dis-tribute then in various parts of the latter city. Eventually it may be able so to distribute passengers from Cincinnati in other suburban towns, and the power to distribute passengers returning from a city implies the power to serve their convenience in the same way when they set out for the city from their homes

A HIGH TENSION SHOCK. Many men have described from actual experience the sensations of drowning, but few have come into the circuit of 2,500 volts of electric current and lived to tell siderable compared with that of Sydney, is probably as large as that of any other Australian port, excepting Melbourne and Port Adelaide. The wool shipped at Newcastle is produced in the northeastern coast district of the colony lying within about 100 miles of the ocean. Newcastle itself is a considerable town, containing, with its im-mediate suburbs, a population of about 75,-000 inhabitants. The trade of the port, although embracing wool and other products, is mainly coal, which is raised in the neighborhood and shipped for export, at present, to the extent of about 3,000,000

ORIGIN OF THE INDUSTRY The development of wool production has been so intimately bound up with that of

the colony of New South Wales that it is impossible to separate their history. Originally founded as a convict establish-ment in the year 1787, the colony owed its first impulse toward a free and presperous to Bangkok in Siam on a steam launch, career to the discovery of its suitability for thence to Saigon in French Cochin China, pastoral pursuits. This it owed chiefly to Captain McArthur, an officer of the regiment which was specially enrolled in England for service in the new sottlement of Botany bay. This officer retired from the force in 1893, and, having obtained a grant of land, devoted himself to the task of establishing "Daphne, or the Pipes of Arcadia," by breed of Australian sheep of special value | Marguerite Merington, is a comic opera, or or wool growing. He was banished from the as Miss Merington herself calls it, colony for the part he took in the deposition | Acts of Singing Nonsonse." The nonsonse of Governor Bligh in 1808, but on his re- is of the Gilbertian order, and its quality turn, four years later, brought back with him choice sheep of the Royal Spanish and prize of \$500 awarded three years ago by Saxony merino breeds for the purpose of the National Conservatory of Music, the turn, four years later, brought back with carrying on his experiments. The result judges being Thomas Bailey Aldrich, Euwas that within a few years the earliest gene Field, and others. The scene of the shipments of Australian wools were sold in London at a price equivalent to nearly \$3 a pound. was standing on a chair in readiness to

nove a reversing switch on a lighting series,

sixty-lamp circuit), and turning to the left New York. Megeath's. as the return wire was "carthed," the man received the whole of the 2,500 volts of current. The first thing he realized was that come doubly so when presented in this au received the whole of the 2,500 volts of current. The first thing he realized was that he was standing on the floor, but he had no idea whether he jumped off the chair or was knocker off. The foream was drawn close to the chest and the hands were clenched. From a little above the elbow downwards he had a feeling of pulsation and a sense of violent beating. Below the elbow all power of movement was goze, but the arm at the shoulder could be moved from the side. Gradually the pulsations soon became less violent, though preserving a rhythmic character, and the motor power of the elbow, wrist and fingers returned. In three minutes he felt "none the worse." At the time of the shock there was no sensation of burning, but ten ninutes afterward the hands became pain-ful, and examination showed a burn on the tip of the middle and ring fingers, with a seared line across the lower portion of the palm. There has been no other effect excepting that he expresses himself as feel.

In three minutes he felt "none the back of the little and ring fingers, with a seared line across the lower portion of the palm. There has been no other effect excepting that he expresses himself as feel.

In three himself side mandy in gingers, with a seared line across the lower portion of the shock of the little and ring fingers, with a seared line across the lower portion of the shory is intensified by the pressure and the was overticed to be the beat he sensation of himself side in the same than the remembers the sensation of the water. Then there was no sensation of himself side in the same that he remembers the sensation of the whate stall he remember the sensation of the whate suit he remember the sensation of the whate suit he remember the sensation of the water. Then the sum of falling into the water. Then the sensation of himself side in the same than the remember the sensation of the water by the first he returned. In three minutes he felt mone that he member the sensation of the water by the neads proved to be the beating of falling int decidedly better in general health improvement in health is quite in line with the experience of many men who have other accidentally or intentionally taken high tension currents of less amperage or weight than that referred to. Mr. Tesla has long been accustomed to place himself period covering more than twenty years, every now and again within the circuit of in Harper's Magazine, The various fachevery now and again within the circuit of the high tension voltages with which he as made such remarkable demonstrations. He says it refreshes him more than any other restorative; as a tonic it is unqualled, and it leaves a sense of rest be-

STEEL METSTERS STEEL STEEL STEEL STEEL STEEL STEEL STEEL Current Literature

THE REPORT OF THE PROPERTY SPECIAL SPE The Chap-Book for January 15 is out, coniderably enlarged, both in size of pages, ican Essays" and the first three chapters of a story by Henry James, entitled "What

Maisie Knew."

The new Brooklyn Daily Eagle Almanac for 1897 is a book of over 500 rages, its matter relating to the world in general and particularly to Greater New York and Long Island. It is compactly arranged, well inlexed and covers an immense variety of

state of Maryland and to Baltimore, con tains nevertheless a liberal supply of general and national data, and is a valuable compendium. The Junuary number of The Engineering

Magazine is a special issue presenting the facts as to the business situation and reviewing carefully and clearly the industrial enditions promising an era of great prosper-ty. Edward Atkinson, the eminent statis-icism, and Dr. L. G. Powers, commissioner of labor of Minnesota, discuss the situation broadly in the light of the present economic conditions; then each department of engineering work is hendled by a specialist di-rectly familiar with the immediate condilong in his own field. Finally, the treatment is rounded and completed by a sympo-sium of opinions from leading manufacturers-men in actual contact with every move ment in and influence in the industrial

Self Culture for January opens with most valuable contribution by Speaker Thomas B. Reed, entitled "Congress and the Legislative Power of the United States, Popularly Explained," in which the methods propularly Explained. In which the methods pursued by this important legislative body are graphically outlined. Another instructive paper in this number is from the pen of J. P. Meany dealing with "American Railroads and Their Economics: Financiering, Fooling, the interestate Commerce Law." Besides the usual departments, there are many other notable and interesting contribuions in this number.

The January Donahue's opens with a well written review of "The Presidential Administrations of the Past." by Theodore F. Benton. "The Ballad Poetry of Ireland" receives an eloquent tribute from the pen of Rev. William Dollard, who dwells with 'Arbitration and Conciliation" is contributed by Edward O'Donnell, and Rev. Mortimer E. Twomey pleads the cause of the belpless in a paper on "The Rights of Children. Fic-tion is well represented in the number and

the illustrating is beautifully done. American Academy contains articles by Pro-lessors Edmund J. James of the University of Chicago on the "First Apportionment Federal Representatives in the United States," W. G. L. Taylor of the University of Nebraska on "Values, Positive and Relative," Roland P. Falkner on "Crime and the Censue," and Emory R. Johnson on "Current Transportation Toules." rent Transportation Topics.

Gunton's Magazine for January discusses the following topics: "Cleveland's Last Mes-sage," "The Election and Republican Instithaking hands when we looked into each other's eyes and said in perfect unison: to reach. The steam roads can meet this to reach. The steam roads can meet this competition only by furnishing similar facilities. They can furnish these in large "Evolution of English Trade-Unionism." The king of pills is Beecham's—Boucham's lines or by making traffic agreements with Europe," "Influence of Issues on Parties"

pression."
The eighteenth annual number of The Tradesman, published at Chattaneoga, Tenn., contains over 260 pages, and presents a most complete, exhaustive and valuable review of

the south, its resources, development and possibilities. Among its contributors are six southern governors, the chief statistician of the United States census bureau, twelve leading southern journalists, twenty leading southern chamber of commerce officials, such writers as Edward Atkinson and a se more of statistical writers and industria authorities in their special lines, whose repu tation is national and international. Of the many features is a complete directory of 5,000 of the leading industrial plants of the outhern states.

Among the special New Year editions pub-lished Pacific coast journalism has been most creditably represented by special issues of the San Francisco Examiner and Chronithe Los Angeles Times, Seattle Post-Intelligencer and Tacoma Ledger. It is aafe to say the industries of the coast have never been more thoroughly described. With January, 1897, the Chicago Open Court celebrates the decennial anniversary of

its nativity, and more consonantly with the solid character of its contents now appears in the form of a monthly instead of a weekly. In the present number besides the salutatory it felt. An electrical engineer who trade of Newcastle, while it is inconof the editor expounding the purposes of the troversy on Buddhism and Christianity between Rt. Rev. Shaku Soyen, delegate of Japan to the Chicago parliament of religions; Rev. Dr. John Henry Barrows, chair-man of the parliament, and Rev. F. F. Edilinwood, a prominent Presbyterian clergyman of New York.

NEW BOOKS.

"Children's Stories in American Literaure," by Henrietta Christian Wright, is a continuation of the attractive presentation of iterary history began in Miss Wright's "Children's Stories in English Literature," taking up the literary figures that have ap peared since the civil war and treating their works and personalities in a simple style interesting to young readers. Charles Scribner's Sons, New York, Megenth's, In "Four Young Explorers, or Sight Seeing in the Tropics," Oliver Optic takes the hero and his friends, whom he had in the previous volume left on the Island of Borneo

across the Chinese sea to Manila in the Philippine islands and thence to Hong Kong, may be judged by the fact that it won the opera is laid in Arcadia, explains the author, because, as no one has ever thoroughly explored that pleasant country except in ex-treme youth, serious criticism of the local conditions is courteously but firmly knocked placed one hand on the metal cover of an into a cocked hat at the outset, ammeter (which was in series with another of the tale is love. The Centur of the tale is love. The Century company

sixty-lamp circuit), and turning to the left and leaning back to make an observation (still standing on the chair) he placed his left hand on an iron pillar. It happened that the ammeter case was accidentally in metallic contact with the light leads, and the historical Inidan characters. Stories of the historical Inidan characters. Stories of the historical Inidan characters. Stories of the historical Inidan characters. In "Tecumseh's Young Braves," Mr. Ev-erett T. Tomlinson takes up the story of come doubly so when presented in this au-thor's attractive style. Lee & Shepard, Pos-

helped the herc's operas into popular favor. The Century company, New York. Megcath a. Under the caption, "English Society" the Harpers have now collected and bound into a large album nearly 100 examples of Mr. Tesla Du Maurier's humor as expressed during a ions and fads of the times—so different from those of our own—are brought back vividly by these illustrations, and the cap-tions are all couched in that terse and confidential style with which we have now become so familiar in "Trilby" and "The Martian." A brief introduction to this col-lection of drawings is contributed by Mr. W. D. Howells, who characterizes Du Maurier as the greatest master of the school, "not excepting Sterne or Thackeray." Aside from Mr. Howells' preface the album contains no text beyond the few lines of humorous dialogue accompanying each illustration

siderably enlarged, both in size of pages. Aside from his official career, in which he solume of matter and general scope. Among the table of contents we note a paper by Mr. Theodore Roosevelt has been a ranch-Hamilton Wright Mabie on "Recent Amer- man on the frontier, a hunter of mighty game, and a successful author in a numbe of different lines. One of his most popular books, the sumptuous "Ranch Life and the Hunting Trail," has been out of print for some time, and now a new and cheaper edition is brought out. Few persons who have lived the actual life of the sanchman have had the ability to describe its dramatic and picturesque phases. It is this unconventional life that he describes, and he has also given The Baltimore Sun's "Almanac for 1897," chapters on mountain and prairie hunting while largely devoted to data relating to the and the pursuit of the wapiti, the bighorn chapters on mountain and prairie hunting sheep, and the white goat of the high peaks. Many of Mr. Remington's most admired pic-

tures are in this volume. The Century Co., New York. Megeath's. "Rodney Stone," by A. Conan Doyle, is a story with exceellent material, laid in the Napoleonic period, with England as the acene and a typical "Beau" as one of the leading figures. Among other features in-troduced is a wonderful description of the

pleton & Co., New York, Megeath's.

"The Story of Architecture," by Charles
T. Mathews, M. A., furnishes an outline of the styles in all countries. It is a compact yet comprehensive history of architecture, a study of the effects of civilization upon architecture as a necessity and an art. Another point of interest is tecture, a study of the effects of civilization upon architecture as a necessity and an art. Another point of interest is that almost all the architectural monuments among scafaring men in that quarter, the specially referred to are described from personal knowledge. American architecture receives careful attention, and Asiatic and Oriental architecture, usually neglected in such books, is discussed with an exceptional fullness of information. As regards the various phases of European architecture, the book will be found to be of constant value to travelers as well as to students. D. Appleton & Company, New York. Megeath's.
"The Swordmaker's Son," by W. O. Stod-

dard, is a dramatic story of boy life in the Holy Land at the beginning of the Christian era. The hero is the son of a Jewish swordmaker, who rebels against the Roman domination of Judea and is driven into hiding. The plot brings the young hero into active participation with the very considerable feeling on the beauty and founding of Christianity, and the events of pathos of his theme. A thoughful paper on sacred history are treated in the most reverent spirit. There is also a picture life in imperial Rome in the days of Tiberius, with an account of a foot race and the preliminary training of the athletes. Mr. Stoddard visited Palestine for the sake of getting the local color for his story. Mr. In addition to the customary departments the January number of the Annals of the January number of the Annals of the careful attention to accuracy of detail, and American Academy contains articles by Proand place. The Century Co., New York Megeath's.

"An Arkansas Planter" is one of Opic Read's typical stories. It is a tale of the southwest land, with all the hospitable at southwest land, with all the hospitable at-mosphere that he knows so well how to im-part. The leading character is a laaded proprietor of Arkansas, surrounded by an affluent and prosperous plantation. None of the ingredients for Mr. Read's style of ro-mance are lacking, and his admirers will not be deceived or defrauded in its perusal. Rand, McNally & Co., Chicago.

When in want of a good liniment, buy Salvation Oil, which costs only 25 cents.

A PAIR OF JONAH STORIES

Modern Proof of the Possibility of the Biblical Incident.

SENSATIONS IN A WHALE'S INTERIOR

Remarkable Experiences of Sailors with Monsters of the Deep in the Pacific and in the Med-Herranean Sea.

John Townshend of 202 West Seventy-third street gives information to the New York Times that the story of the sailor James Bartley, supposed to have been swallowed by a whale and rescued alive, was printed in detail in the Mercury of South Yarnouth, England, in October, 1891,

Bartley sailed on the Star of the East and is supposed to have met with his adventure in the vicinity of the Falkland islands. Mr. Townshend says the story is a good seaman's yarn, whether one chooses to believe it or not.

According to the story, which is told in great detail, "the ship sighted a whale one morning on her starboard quarter. Two boats were manned, and in a short time one was near enough to spear the whale which was an unusually large one. The fish made a terrific fight. Both boats got spears fastened in it, and were dragged some three miles.
"Finally, when the whale came to the sur-

face, it managed to strike one of the boats with its nose. The boat was upset. One man was drowned, and another named James Bartley, disappeared. It was supposed at the time that he, too, had been

"The whale gave up at last and was taken back to the side of the ship. The crew went to work with axes and spades to secure the fat. They worked all day and a part of the night, and resumed operations the next forenoon. They had now reached the stomach, and were clearing it to hoist it on deck, when they were startled to no-tice something inside of it which gave

spasmodic signs of life. "The vast pouch was helsted to the deck and cut open, and inside was found the missing sailor, doubled up and unconscious. "He was laid out on deck and treated to a bath of sea water, which scon revived him, but his mind was not clear and he was placed in the captain's quarters, where remained two weeks a raving lunatic. He was carefully treated by the captain and officers of the ship, and he finally began to get possession of his senses. At the end of the third week he had entirely re-covered from his shock and resumed his

duties. SENSATIONS IN THE INTERIOR "During the brief sojourn in the whale's belly Bartley's skin, where it was exposed to the action of the gastric juices, undercut a striking change. His face and hands ere bleached to a deathly whiteness, and the akin was wrinkled, giving the man the appearance of having been parboiled.

Bartley affirmed that he could probably

ave lived inside of his house of flesh until e starved, for he lost his senses through ight, and not through lack of air. He says

at the stomach. He knew that there was no pe of escape from his strange prison

Death stared him in the face, and he tried to look at it bravely, but the awful quiet, the fearful darkness, the horrible know!edge of his environments and the terrible heat finally overcame him, and he must have fainted, for he next remembered being in the captains such as in the captain's cabin."

The account further says: "The health of the man does not seem to have been affected. He is in splendid spirits and apparently enjoys all the blessings of life that come in his way. The whaling captains say they never knew a parallel case. They say it frequently occurs that men are swallowed by whales who become infuriated by the pain of the harpoon and attack the boats, but they have present

they have never known a man to go through the ordeal that Bartley did and come out alive." A MEDITERRANEAN INCIDENT. Mr. Bartley's experience tends to affirm the accuracy of an incident tersely detailed in the bible. But there is additional proof that the experience of Jonah is possible and that it is not a figment of ancient imagina-tion. Lew May, the piscatorial expert of Nebraska, occassionally regales his con-fidantes with details of a thrilling experience of the Jonah variety. He admits that the incident did not come under his personal observation, but affirms without the shadow

of a smile that it comes from a source of un-impeachable veracity. Some years ago the good ship Alexandria, plying between Mediterranean ports, encountered a school of monster sharks in the Adriatic sea. A young man, son of a member of the crew, had just died, they supposed, and the coincidence strengthened the sallor sup-perstition that death and sea monsters are inseparable. As the body could not be kept on board, the usual preparations were made to consign it to a watery grave. It was encased in a sack and weighted with an ax and a grindstone, the only articles availa-ble for that purpose. A solemn hush perprize ring and another of a race from Brigh- vaded the bowed shipmates as one of their ton to London between a phaeton with a number read the service of the dead. Just tandem pair and a coach and four. D. Ap. as the body slid from the gang plank into pleton & Co. New York Merchant.

> crew of the Alexandria next day cast their lines for fish. They had indifferent success for several hours, when one of the crew wildly announced a tremendous pull on his line. It was evident from the strain that monster had been hooked, and it was necessary to play him to prevent loss by breaking the line. Back and forth the fish was played, always being brought nearer the ship. As soon as the crew thought the fish was exhausted they hauled it alongside and it was holsted aboard with block and tackle, where it was quickly dispatched. The fish was a leviathan, hitherto unknown the Mediterranean. Quickly the sailors disemboweled the monster, and within the mass of quivering fiesh they were amazed to young and the missing sailor edging an ax on a

If you don't believe, ask Lew. The election of Thomas C. Platt to the inited States senate reminds the oldest inhabitant of Massilion, O., that for several years Mr. Platt was a clerk in a drug store there, his brother, Fred Platt, being at that time cashler of the Bank of Massillo

Dr. Lyon's **Tooth Powder**

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